

SEVEN UNDESCRIBED SUBSPECIFIC TAXA IN THE ERIOCAULACEAE AND
VERBENACEAE

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CARYOPTERIS INCANA f. *MACROPHYLLA* Moldenke, f. nov.

Haec forma a forma typica speciei foliis plerumque usque ad 11.5 cm. longis 4.5--5 cm. latis recedit.

This form differs from the typical form of the species in having the main leaves on flowering branches with petioles 2.5--3 cm. long and leaf-blades 8.5--9 cm. long and 4.5--5 cm. wide.

The type of the form was collected by an unknown collector somewhere in Japan on September 20, 1910, and is sheet number 1178283 in the United States National Herbarium at Washington.

CARYOPTERIS INCANA var. *SZECHUANENSIS* Moldenke, var. nov.

Haec varietas a forma typica speciei petiolis uniforme ca. 4 mm. longis et laminis foliorum uniforme 2.5--3 cm. longis 1--1.5 cm. latis regulariter grosse antrorse incisicis et reticulo venarum venularumque supra arcte impresso recedit.

This variety differs from the typical form of the species in having its branches uniformly foliose, the internodes about 2 cm. long, the petioles uniformly about 4 mm. long, and the leaf-blades remarkably uniform, lanceolate-ovate, 2.5--3 cm. long, 1--1.5 cm. wide, regularly incised-dentate along practically the whole margins, the incisions antrorse, 2--3 mm. long, obliquely broad-based, bluntly subacute, revolute-margined, and the very abundant and fine vein- and veinlet-reticulation conspicuously and beautifully impressed on the upper surface.

The type of this variety was collected by Ernest Henry Wilson (no. 2221) somewhere in western Szechuan, China, in August, 1908, and is deposited in the United States National Herbarium at Washington.

CARYOPTERIS ODORATA var. *INTEGRIFOLIA* Moldenke, var. nov.

Haec varietas a forma typica speciei recedit foliis parvioribus plerumque 3--4.5 cm. longis 1--2 cm. latis integris subtus densiore persistenteque pubescentibus et inflorescentiis in axillis superioribus terminalibusque dense congestis.

This variety differs from the typical form of the species in having its leaves smaller, mostly only 3--4.5 cm. long and 1--2 cm. wide during anthesis, usually entire-margined, and mostly more densely and persistently pubescent beneath and the inflorescence densely congested in all the upper leaf-axils as well as terminal on stems and branches.

The type of the variety was collected by Walter Koelz (no. 4399) at Bhadwar, Kangra, Punjab, India, at an altitude of 2000 feet, on May 5, 1933, and is deposited in the United States National Herbarium at Washington.

CORNUTIA PYRAMIDATA var. *ISTHMICA* f. *ALBIDA* Moldenke, f. nov.

Haec forma a forma typica varietatis corollis albidis et laminis foliorum ultra medium serrulatis recedit.

This form differs from the typical form of the variety in having whitish corollas and the leaf-blades serrulate above the middle.

The type of the form was collected by Rolando Tun Ortíz (no. 2106) in a high forest at Santa Elena on the west side of the highway to Dolores at km. 70, El Petén, Guatemala, on November 20, 1971, and is deposited in the Britton Herbarium at the New York Botanical Garden. The collector describes the plant as a shrub 3 m. tall, the trunk 20 cm. in diameter, and the corollas "blanca amarillenta".

DURANTA MUTISII f. *SERRULATA* Moldenke, f. nov.

Haec forma a forma typica speciei laminis foliorum margine minute obscureque serrulatis recedit.

This form differs from the typical form of the species in having the margins of its leaf-blades minutely and obscurely serrulate.

The type of the form was collected by Antonio Allart (no. 325) at Colonia Tovar, Aragua, Venezuela, at an altitude of 1800 to 2000 meters, in December, 1924, and is deposited in the Britton Herbarium at the New York Botanical Garden.

LANTANA MINASSENSIS var. *HISPIDA* Moldenke, var. nov.

Haec varietas a forma typica speciei ramulis plusminus dense albido-hispidis recedit.

This variety differs from the typical form of the species in having the branchlets more or less densely hispidulous with long, white, often capitate hairs standing at right angles to the otherwise densely short-pubescent branchlets.

The type of the variety was collected by A. Krapovickas, C. L. Cristóbal, M. M. Arbo, V. Maruñak, R. I. Maruñak, and J. Irigoyen (no. 17030) on the high part of the barranca of the Río Uruguay, at the edge of a woods, Colonia Garabi, Dept. Santo Tomé, Corrientes, Argentina, on December 3, 1970, and is deposited in my personal herbarium at Plainfield, New Jersey. The collectors describe the plant as a shrub 1.8 m. tall.

LEIOTHRIX HIRSUTA f. *VIVIPARA* Moldenke, f. nov.

Haec forma a forma typica speciei capitulis viviparo-proliferis recedit.

This form differs from the typical form of the species in having some or most of its flower-heads viviparously proliferating into clusters of miniature leaves.

The type of the form was collected by H. Strang and A. Castellanos (no. 26306) at Pedra Itaúna "na rodoc. BR-6", Restinga de Sernambetiba, Guanabara, Brazil, on March 12, 1967, and is deposited in my personal herbarium at Plainfield, New Jersey.